

22 December 1965

Subject: GR ECPs 34, 40, and 42

Dear Chuck,

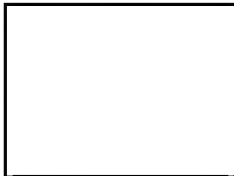
STATINTL These ECPs are technically approved by the SPO.
Request that you provide with formal authority to
proceed on them.

Regarding ECP 34, it is our understanding that
the -105 and -107 circuit boards will be fully interchangeable,
and that Nat's tech data will be revised to indicate this.

Regards,

George

Copy:



STATINTL

GA - 531		ENGINEERING STUDY <input type="checkbox"/>		CHANGE PROPOSAL <input checked="" type="checkbox"/>		GR- 34				
DATE 11-12-65		AFFECTS: GA531 SLR								
NAME OF MAJOR COMPONENT Recorder		PART OR LOWEST SUBASSEMBLY Ramp Amplifier P.C. Board			PART NO. MODEL OR TYPE 531A707-010-105 (old) 531A707-010-107(new)					
TITLE OF PROPOSAL: Reduce oscillation in Ramp Amplifier Circuit.										
NATURE OF PROPOSAL: Remove capacitor C4 Change resistor R12 to RN25C8251F Change resistor R16 to RN60C1501F										
REASON FOR PROPOSAL: Reduce Ramp Amplifier tendency to oscillate between sweeps which have been encountered by manufacturing tolerances.										
ES		ESTIMATED COST AND TIME INVOLVED: ADDITIONAL FUNDING REQUIRED:								
CP		ESTIMATED COST FOR KITS OR PARTS: ADDITIONAL FUNDING REQUIRED: N/A								
ITEMS AFFECTED BY PROPOSAL: Production Units A7002-15 and subs in line. Handbooks.										
SAFETY <input type="checkbox"/>	MISSION EFFEC- TIVENESS <input type="checkbox"/>	PERFORM- ANCE <input checked="" type="checkbox"/>	OPERATING PROCEDURE <input type="checkbox"/>	INTER- CHANGE- ABILITY <input type="checkbox"/>	WEIGHT OR WEIGHT AND BALANCE <input type="checkbox"/>	TOOLS AND SUPPORT EQUIPMENT <input type="checkbox"/>	MAINTENANCE PROCEDURE <input type="checkbox"/>	SERVICE LIFE <input type="checkbox"/>	FLIGHT MANUAL <input type="checkbox"/>	MAINTENANCE MANUAL <input type="checkbox"/>
ESTIMATED MAN HOURS REQUIRED TO ACCOMPLISH CHANGE IN FIELD: N/A										
SOURCE OF PARTS FOR KIT: GR				AVAILABILITY _____ WEEKS AFTER APPROVAL						
DISPOSITION OF SPARES AFFECTED: PPB to be revised by change notice to PSO.										
						STATINTL				

GA - 531		ENGINEERING STUDY <input type="checkbox"/>		GR- 40						
		CHANGE PROPOSAL <input checked="" type="checkbox"/>								
DATE 11-22-65		AFFECTS: GA531 SLR								
NAME OF MAJOR COMPONENT Receiver		PART OR LOWEST SUBASSEMBLY Electron Tube		PART NO. MODEL OR TYPE 531A400-916-103 (Old) 531A400-916-105 (New)						
TITLE OF PROPOSAL: Change Electron Tube Specification Control Drawing										
NATURE OF PROPOSAL: 1. Change specification control drawing performance section. 2. Change present mounting holes to slotted holes.										
REASON FOR PROPOSAL: 1. To insure specification of critical environmental performance characteristics. 2. To insure physical interchangeability.										
ES	ESTIMATED COST AND TIME INVOLVED: ADDITIONAL FUNDING REQUIRED: _____									
CP	ESTIMATED COST FOR KITS OR PARTS: ADDITIONAL FUNDING REQUIRED: N/A									
ITEMS AFFECTED BY PROPOSAL: 531A400-916-105 Electron tube. This will be an in line change at depletion of present stock.										
SAFETY <input type="checkbox"/>	MISSION EFFEC- TIVENESS <input checked="" type="checkbox"/>	PERFORM- ANCE <input checked="" type="checkbox"/>	OPERATING PROCEDURE <input type="checkbox"/>	INTER- CHANGE- ABILITY <input checked="" type="checkbox"/>	WEIGHT OR WEIGHT AND BALANCE <input type="checkbox"/>	TOOLS AND SUPPORT EQUIPMENT <input type="checkbox"/>	MAINTENANCE PROCEDURE <input type="checkbox"/>	SERVICE LIFE <input type="checkbox"/>	FLIGHT MANUAL <input type="checkbox"/>	MAINTENANCE MANUAL <input type="checkbox"/>
ESTIMATED MAN HOURS REQUIRED TO ACCOMPLISH CHANGE IN FIELD:										
SOURCE OF PARTS FOR KIT:				AVAILABILITY _____ WEEKS AFTER APPROVAL						
DISPOSITION OF SPARES AFFECTED: Spares affected will be to latest configuration. PRB will be revised by change notice to PSO										
INITIALS					STATINTL					

GA - 531		ENGINEERING STUDY <input type="checkbox"/> CHANGE PROPOSAL <input checked="" type="checkbox"/>		GR - 42	
DATE 11-22-65		AFFECTS: GA531A SLR			
NAME OF MAJOR COMPONENT Recorder		PART OR LOWEST SUBASSEMBLY BITE P.C. Board		PART NO. MODEL OR TYPE 531A710-005-103 (old) 531A710-005-105 (new)	
TITLE OF PROPOSAL: Change Resistor Value					
NATURE OF PROPOSAL: Change resistor R11 on BITE P.C. Board 531A710-005-103 from RL20AD183J to RL20AD182J. Change BITE P.C. Board Part No. from 531A710-005-103 to 531A710-005-105. A Mod. No. will be assigned to this change.					
REASON FOR PROPOSAL: To reduce the false alarm rate of the Recorder BITE operation.					
ES	ESTIMATED COST AND TIME INVOLVED: ADDITIONAL FUNDING REQUIRED:				
CP	ESTIMATED COST FOR KITS OR PARTS: N/A ADDITIONAL FUNDING REQUIRED:				
ITEMS AFFECTED BY PROPOSAL: Production units S/N A7002-16 and subs in line. S/N 7002-9 thru 13 to be retrofitted; S/N A7002-14 and 15 comply.					
SAFETY <input type="checkbox"/>	MISSION EFFEC- TIVENESS <input type="checkbox"/>	PERFORM- ANCE <input checked="" type="checkbox"/>	OPERATING PROCEDURE <input type="checkbox"/>	INTER- CHANGE- ABILITY <input type="checkbox"/>	WEIGHT OR WEIGHT AND BALANCE <input type="checkbox"/>
				TOOLS AND SUPPORT EQUIPMENT <input type="checkbox"/>	MAINTENANCE PROCEDURE <input type="checkbox"/>
				SERVICE LIFE <input type="checkbox"/>	FLIGHT MANUAL <input type="checkbox"/>
					MAINTENANCE MANUAL <input type="checkbox"/>
ESTIMATED MAN HOURS REQUIRED TO ACCOMPLISH CHANGE IN FIELD: 30 Min. disassemble; 1 hour test; 30 Min. assemble.					
SOURCE OF PARTS FOR KIT: GR			AVAILABILITY 3 WEEKS AFTER APPROVAL		
DISPOSITION OF SPARES AFFECTED: Spares to be reworked to latest configuration. PPB to be revised by Change Notice to PSO.					
INITIALS			APPROVED		STATINTL

29 61-item 22
Bir